

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB REPORT abd _____

Sacaton abandoned well never drilled, application recorded by U.S.G.S
on January 20, 1982

DATE FILED 7-8-80

LAND. FEE & PATENTED

STATE LEASE NO

PUBLIC LEASE NO

U-21477

INDIAN

DRILLING APPROVED:

7-9-80

SPUDDED IN

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION

GRAVITY API

GOR.

PRODUCING ZONES

TOTAL DEPTH:

WELL ELEVATION

DATE ABANDONED:

L.A. 1-29-82 well never drilled

FIELD

WILDCAT 3/86

UNIT

HATCH CANYON

COUNTY

GARFIELD

WELL NO

EASTEX #41-20

API NO. 43-017-30093

LOCATION

549'

FT. FROM (N) ~~XX~~ LINE.

634'

FT. FROM (E) ~~XX~~ LINE.

NE NE

1.4 - 1.4 SE 20

TWP

RGE

SEC

OPERATOR

TWP

RGE

SEC

OPERATOR

31S

15E

20

WILLIAM C. KIRKWOOD

FILE NOTATIONS

Entered in NID File ☒
 Entered On 5 R Sheet _____
 Location Map Pinned _____
 Card Indexed ☒
 IWR for State or Fee Land _____

Checked by Chief _____
 Copy NID to Field Office _____
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed _____
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA _____

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Drill Log _____

Electronic Logs (No.) _____

E _____ F _____ E-1 _____ GR _____ GR-N _____ Micro _____

Lat _____ Mi-L _____ Sonic _____ Others _____

MKS
 4.23.90

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

William C. Kirkwood

3. ADDRESS OF OPERATOR

P. O. Drawer 3439, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

549' FNL & 634' FEL (NE NE)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 45 Miles East of Hanksville, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

549'

16. NO. OF ACRES IN LEASE

2510

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2640 +

19. PROPOSED DEPTH

640'

20. ROTARY OR CABLE TOOL

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4941' GR

22. APPROX. DATE WORK WILL START*

June 15, 1980

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 1/2"	6 5/8" New	24# K-55 8Rd.	20'	10 sxs cement Class "G" 2% CaC
5 5/8"	4 1/2" New	9.5# K-55 8Rd.	640'	50 sxs cement, Class "G" 2% Ca

1. Drill 8 1/2" hole and set 6 5/8" surface casing to 20' with good returns.
2. Log B.O.P. checks in daily drill reports and drill 5 5/8" hole to 640'.
3. Run tests if warranted and run 4 1/2" casing if productive.
4. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "D" The Multi-Point Requirements for A.P.D.
- "E" Access Road Maps to Location
- "F" Radius Map of Field

RECEIVED
JUL 08 1980APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING, GAS & MINING

DATE: 7-9-80

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Wm. C. Kirkwood

TITLE

Pete. Conner

DATE

2-19-80

(This space for Federal or State office use)

PERMIT NO.

43-017-30093

APPROVAL DATE

7/9/80

APPROVED BY

TITLE

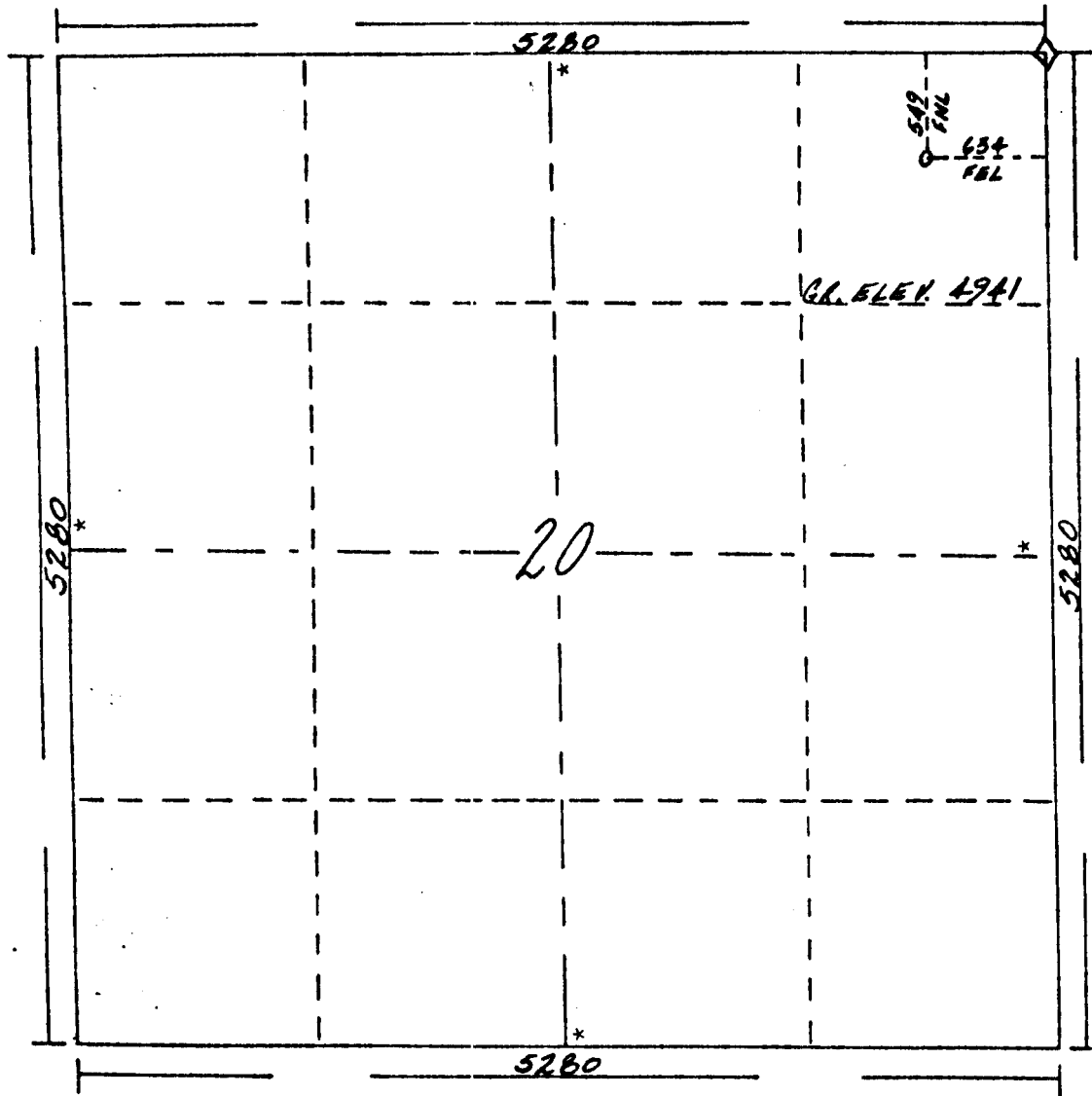
DATE

CONDITIONS OF APPROVAL, IF ANY:



N

R. 15 E.



Scale... 1" = 1000'

Powers Elevation Company, Inc. of Denver, Colorado
has in accordance with a request from *Tim Schowalter*
for *WILLIAM C. KIRKWOOD*
determined the location of #41-20 EASTEX
to be 549 FNL & 634 FEL of Section 20 Township 31 S.
Range 15 E of the Salt Lake Base and Meridian
Garfield County, Utah.

I hereby certify that this plat is an
accurate representation of a correct
survey showing the location of

#41-20 EASTEX

Date: 5-9-80

Wm. D. Becker
Licensed Land Surveyor No. 4189
State of Utah

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM
OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C
William C. Kirkwood
Eastex 41-20
Sec. 20 T31S R15E
549' FNL & 634' FEL
Garfield County, Utah

1. The Geologic Surface Formation

The surface formation is the Moenkopi.

2. Estimated Tops of Important Geologic Markers

White Rim	450'
Organ Rock	620'
Total Depth	640'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

No water zones are anticipated

White Rim	340'	Oil
-----------	------	-----

4. The Proposed Casing Program

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>SECTION LENGTH</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE & JOINT</u>	<u>NEW OR USED</u>
8½"	0-20'	20'	6 5/8"	24#, K-55, 8Rd.	New
5 5/8"	0-640'	640'	4 1/2"	9.5#, K-55, 8Rd.	New

Cement Program

- A. Surface casing - 10 sxs. cement, Class "G", 2% CaCl
B. Production casing - 50 sxs. cement, Class "G", 2% CaCl.

5. The Operator's Minimum Specifications for Pressure Control

Not Applicable

6. The Type and Characteristics of the Proposed Circulating Muds

Not Applicable - Air Drilled.

7. The Auxiliary Equipment to be Used

Not Applicable

8. The Testing, Logging and Coring Programs to be Followed

- (a) No DST's are anticipated.
- (b) An IES Log and a Density log will be run from surface to 620'
- (c) Coring is anticipated from the top of the White Rim to top of the Organ Rock, a total of 280 feet.
- (d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, appropriate Sundry Notice will be submitted.

9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for June 15, 1980, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 4 days after spudding the well and drilling to casing point.

EXHIBIT "D"

MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Attached to Form 9-331C
William C. Kirkwood
#41-20 Eastex
549' FNL & 634' FEL
Sec. 20 T315 R15E
Garfield County, Utah

1. Existing Roads

- A. The proposed well site and elevation plat is shown as EXHIBIT "A". Staking included two 200' directional reference stakes, also shown on EXHIBIT "A".
- B. From Hanksville Post Office go Easterly 18.2 miles on Highway #95; turn left on BLM dirt road to Poison Spring Canyon; go 16.4 miles to Dirty Devil River. Ford River and take road around Buckacre Point and into North Hatch Canyon. Continue up North Hatch Canyon road until you come to the location right beside the road.
- C. All roads to location are color-coded on EXHIBIT "E". No new access road is required.
- D. This is an exploratory well. All existing roads within a three-mile radius are shown on EXHIBIT "E".
- E. N/A
- F. The existing roads need no improvement except to clear off rocks and repair winter damage.

2. Planned Access Roads

No new access road will be required for drilling this location. The grade on the existing roads ranges from 0-15% most areas are 3-4%. No road construction or upgrading is planned if well is productive. The existing roads cross BLM land as shown on EXHIBIT "E".

3. Location of Existing Wells

For all existing wells within two mile radius of Exploratory well, see EXHIBIT "F".

- (1) There are 0 water wells within a two mile radius of this location.
- (2) There are 0 abandoned wells in this two mile radius.
- (3) There are 0 temporarily abandoned wells.
- (4) There are 0 disposal wells.
- (5) There are 0 wells presently being drilled.
- (6) There are 0 producing wells within this two mile radius.
- (7) There are 0 shut-in wells.
- (8) There are 0 injection wells.
- (9) There are 0 monitoring or observation wells for other uses.
- (10) There are several core holes for prospecting located throughout the canyon lands.

4. Location of Existing and/or Proposed Facilities

- A. Within one-mile radius of location, the following existing facilities are owned or controlled by lessee/operator:
 - (1) Tank Batteries: None
 - (2) Production Facilities: None
 - (3) Oil Gathering Lines: None
 - (4) Gas Gathering Lines: None
 - (5) Injection Lines: None
 - (6) Disposal Lines: None
- B. If production is obtained, there will be no production facilities installed at this time.

5. Location and Type of Water Source

No water will be required. This well is to be air-drilled.

6. Construction Materials

No construction materials are needed for any phase of the proposed operations.

7. Handling of Waste Materials and Disposal

- (1) There will be no drill cuttings. This well is to be air-drilled and exhaust will be dispersed into the atmosphere.
- (2) There will be no drill fluids and no pits will be dug. If any water is encountered during drilling, a surface tank will be set.
- (3) Garbage and trash will be collected in containers and hauled away to approved sanitary landfill. Human waste will be collected in chemical facility and hauled away.
- (4) All materials used during drilling will be removed from the drillsite within 30 days after completion of drilling.

8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

9. Well Site Layout

- (1) No drill pad will be constructed for drilling this well.
- (2) A truck-mounted rig will be used. The truck is approximately 30' long and weighs approximately 8 tons.
- (3) No pits will be dug. There will be no living facilities or trailers on site.

10. Plans for Restoration

- (1) Such disturbance as will be created by this drilling operation can be easily repaired should this area be finalized as a Wilderness and Recreation Area.
- (2) After drilling operations cease, revegetation and restoration will be performed in accordance with B.L.M. recommendations. This will be undertaken within whatever time frame the B.L.M. deems advisable.

11. Other Information

- (1) The soil is sandy and gravelly from the stream bed. No distinguishing features are present. The area is covered with cactus, shadscale, cheatgrass, rabbit brush and wildflowers. There are livestock, rabbits, rodents, lizards and chubars. This location is just South of the road, East and North of a bend in North Hatch Canyon on Stream bed which flows Westerly.
- (2) The primary surface is for grazing and recreation. The surface is owned by the U. S. Government.
- (3) The closest live water is in South Hatch Canyon, South of the location, as shown on EXHIBIT "E".

The closest dwelling is Hite Marina, approximately 20 miles Southerly.

There are no known archaeological, historical, or cultural heritages that will be disturbed by this drilling.

- (4) There are no reported restrictions or reservations noted on the oil and gas lease.
- (5) Drilling is planned for on or about June 15, 1980. It is anticipated that the casing point will be reached within 4 days after commencement of drilling.

12. Lessee's or Operator's Representative

George Lapaseotes
Agent Consultant for
William C. Kirkwood
600 South Cherry Street
Suite 1201
Denver, Colorado 80222
Phone (303) 321-2217


William C. Vandeventer
William C. Kirkwood
Drawer 3439
Casper, Wyoming 82601
(307) 265-5178

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by William C. Kirkwood and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

5-29-80


George Lapaseotes
Agent Consultant for
William C. Kirkwood

WAYNE
GARFIELD

2 mile radius

N. HATCH

#41-20 Eastex

S. HATCH

LEGEND

- | | |
|-----------------------|----------------------------|
| ○ LOCATION | ✱ OIL & GAS WELL |
| ✧ DRY HOLE | ✱ ABANDONED OIL & GAS WELL |
| ● OIL WELL | ✱ GAS WELL |
| ✧ ABANDONED OIL WELL | ✱ ABANDONED GAS WELL |
| △ TRIANGULATION POINT | ✱ WATER WELL |



POWERS ELEVATION

May 29, 1980

OIL WELL ELEVATIONS AND LOCATIONS
CHERRY CREEK PLAZA, SUITE 1201
800 SOUTH CHERRY STREET
DENVER, COLORADO 80222
PHONE NO. 303/321-2217

U. S. Geological Survey
E. W. Guynn, District Engineer
1745 West 1700 South
2000 Administration Building
Salt Lake City, Utah 84138

Re: Filing NTL-6 and A.P.D. Form 9-331C
William C. Kirkwood
#14-20 Eastex
549' FNL & 634' FEL
Sec. 20 T31S R15E
Garfield County, Utah

Dear Mr. Guynn:

Enclosed are three copies of the NTL-6 program and A.P.D. Form 9-331C for the above-referenced well location.

Please notify us when you have arranged a time with the B.L.M. to inspect the site, in order that Larry Becker, our surveyor who did the ground work for this application may be present during the inspection.

The archaeological report is not included with the NTL-6 but will be forwarded to your office, and to the B.L.M. office, from our Archaeological Division.

Sincerely yours,

POWERS ELEVATION

Connie L. Frailey

CLF:mc
Enclosure

cc: William Vandeventer, William C. Kirkwood, Casper, Wyoming
Larry Becker, Powers Elevation, Grand Junction, Colorado
Dirt Contractor

Powers Elevation
Suite 1201 Cherry Creek Plaza
600 So. Cherry Street
Denver, Colorado 80222

RE: Filing NTL-6 and A.P.D. Form 9-331C
William C. Kirkwood
#14-20 Eastex
549' FNL & 634' FEL
Sec. 20 T315 R15E
Garfield County, Utah

Gentlemen:

This is to confirm our understanding with you that Powers Elevation is authorized to act as our agent in the following capacities:

- A. In surveying, staking, and preparing and filing necessary applications, permits and compliance programs, including complete NTL-6 reports, for the above-referenced project.
- B. In accepting on our behalf any changes to location, proposed facilities and/or surface use plan and compliance program requested at on-site inspections, when we are unable to have a Company representative present. Such changes will then be binding upon us or designated Operator.

POWERS' responsibilities do not include construction of location or supervision of drilling, completion or rehabilitation operations.

W C Kirkwood Oil & Gas
Company

by: Steven C. Kirkwood

Title: Geologist

Date: 5/2/80

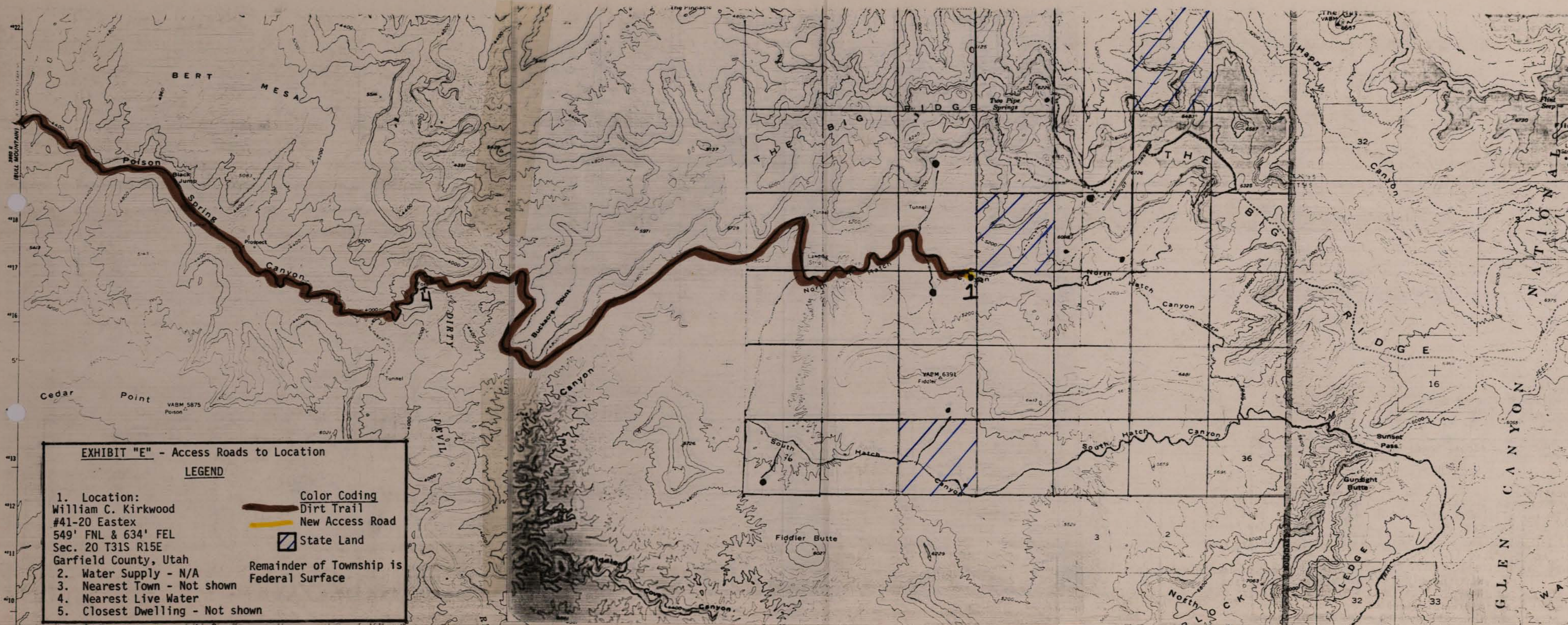





EXHIBIT "E" - Access Roads to Location

LEGEND

1. Location:
William C. Kirkwood
#41-20 Eastex
549' FNL & 634' FEL
Sec. 20 T31S R15E
Garfield County, Utah
2. Water Supply - N/A
3. Nearest Town - Not shown
4. Nearest Live Water
5. Closest Dwelling - Not shown

Color Coding

-  Dirt Trail
-  New Access Road
-  State Land

Remainder of Township is
Federal Surface

LA 1-29-82

**** FILE NOTATIONS ****

DATE: July 8, 1980
OPERATOR: William C. Kirkwood
WELL NO: Hatch Canyon Unit #41-20 (Eastey)
Location: Sec. 20 T. 31S R. 15E County: Hayfield
File Prepared: ☒ Entered on N.I.D: ☒
Card Indexed: ☒ Completion Sheet: ☒
API Number 43-017-30093

CHECKED BY:

Petroleum Engineer: M.W. Winder 7-9-80

Director: _____

Administrative Aide: OK on Unit boundary spacing

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐
Order No. _____ O.K. Rule C-3 ☐
Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site

Lease Designation 3rd Unit Plotted on Map ☒

Hot Line ☒ Approval Letter Written ☒ Wtm
P.I. ☒

Unit
approval

July 9, 1980

William C. Kirkwood
P.O. Drawer 3439
Casper, Wyoming 82601

RE: HCU #33-29 (Crownell), Sec. 29, T. 31S, R. 15E., Garfield County, Utah
HCU #44-4 (White Rim), Sec. 4, T. 31S, R. 15E., Garfield County, Utah
HCU #44-15 (Garfield), Sec. 15, T. 31S, R. 15E., Garfield County, Utah
HCU #41-20 (Bastex), Sec. 20, T. 31S, R. 15E., Garfield County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil wells is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953, and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon these wells, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #33-29: 43-017-30090;
#44-4: 43-017-30091; #44-15: 43-017-30092; #41-20: 43-017-30093.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/btm

cc: USGS

DUPLICATE COPY

SUBMIT IN **DUPLICATE**
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

William C. Kirkwood

3. ADDRESS OF OPERATOR

P. O. Drawer 3439, Casper, Wyoming 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

549' FNL & 634' FEL (NE NE)

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 45 Miles East of Hanksville, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

549'

16. NO. OF ACRES IN LEASE

2510

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2640 +

19. PROPOSED DEPTH

640'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4941' GR

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June 15, 1980

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3. Run tests if warranted and run 4 1/2" casing if productive.
4. Run logs, as needed, and perforate and stimulate as needed.

EXHIBITS ATTACHED:

- "A" Location and Elevation Plat
- "B" The Ten-Point Compliance Program
- "D" The Multi-Point Requirements for A.P.
- "E" Access Road Maps to Location
- "F" Radius Map of Field

State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84116

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

State of Utah, Department of Natural Resources

TITLE

Petr. Engr.

DATE

2-14-80

Division (This space for Federal or State office use)

1588 West North Temple

Salt Lake City, Utah 84116

PERMIT NO.

43-017-30093

APPROVAL DATE

APPROVED BY

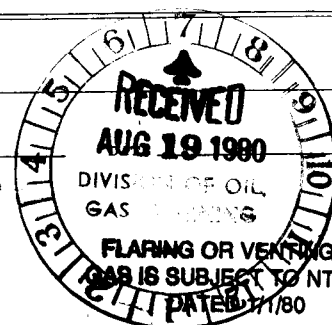
CONDITIONS OF APPROVAL, IF ANY:

FOR

E.W. GUYNN
DISTRICT ENGINEERCONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

NOTICE OF APPROVAL



State O+G

Oil and Gas Drilling

EA #481-80

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

Usual Environmental Analysis

Date: July 11, 1980

Operator: William C. Kirkwood Project or Well Name and No.: 41-20
Location: 549' FNL & 634' FEL Sec.: 20 T.: 31S R.: 15E
County: Garfield State: Utah Field/Unit: Wildcat
Lease No.: U-21477 Permit No.: N/A

Joint Field Inspection Date: June 26, 1980

Prepared By: George Diwachak

Field Inspection Participants, Titles and Organizations:

George Diwachak	Environmental Scientist	U.S.G.S.
Larry Gearhart	Surface Protection	BLM
Lynn Jackson	Geologist	BLM
Wallace J. Averett	Engineer	William C. Kirkwood
Larry Becker	Surveyor	Powers Elevation

Related Environmental Analyses and References:

- (1) Final Environmental Statement - Proposed General Management Plan, Wilderness Recommendation, Road Study Alternatives: Glenn Canyon National Recreation Area, National Park Service, Page, Arizona, July 1979.

1j 7/15/80

Handwritten notes:
A. J. Jones
Drill site
50 x 100 ft
10 x 10 ft
No access
Page 1-3

DESCRIPTION OF PROPOSED ACTION

Proposed Action:

1. Location State: Utah.

County: Garfield

549' FNL, 634' FEL, NE 1/4 NE 1/4

Section 20, T 31S, R 15E, S L M.

2. Surface Ownership Location: Public.

Access Road: Public.

Status of
Reclamation Agreements: Not Applicable.

3. Dates APD Filed: June 4, 1980 .

APD Technically Complete: June 23, 1980 .

APD Administratively Complete: June 4, 1980 .

4. Project Time Frame

Starting Date: Upon approval .

Duration of Drilling activities: 2-3 days.

A period of 30 to 60 days is normally necessary to complete a well for production if hydrocarbons are discovered. If a dry hole is drilled, recontouring and reseeding would normally occur within one year, revegetation or restoration may take several years. If the well is a producer, an indefinite period of time would occur between completion and rehabilitation.

5. Related actions of other federal or state agencies and Indian tribes:

The location falls within a BLM Wilderness Study Area with no exceptional wilderness characteristics and as a result of a BLM inventory, the unit has been recommended to be dropped from further study (See attached BLM Memo).

6. Nearby pending actions which may affect or be affected by the proposed action:

None known.

7. Status of Variance Requests:

None known.

The following elements of the proposed action would/could result in environmental impacts:

1. The drill site would not be bladed. A truck mounted, air drilling rig would be employed utilizing an area 50 feet wide by 100 feet long. A small 10' X 10' reserve pit would be constructed to hold cuttings. A pit toilet would also be constructed for human sewage.

Surface disturbances would be kept to a minimum.

This well is part of an 8 well program within T 31S, R 15E.

2. Drilling techniques would employ a small truck mounted, air rig.
3. Waste disposal - All trash would be confined to containers and disposed of in a BLM approved location.
4. Traffic would be minimal and should be confined to existing roadways.
5. Water requirements - None needed.
6. Completion - None Anticipated.
7. Production - No production facilities are anticipated at this time.
8. Transportation of hydrocarbons - Not requested in APD.

Details of the proposed action are described in the Application for Permit to Drill.

Environmental Considerations of the Proposed Action:

Regional Setting/Topography: Regional topography consists of Canyonlands terrain, steep, rock walled canyons and mesas with relatively flat valleys, within the Dirty Devil River Basin. The location is situated on flat to gently undulating canyon bottom alongside an existing road.

PARAMETER

A. Geology

1. Other Local Mineral Resources to be Protected: None.

Information Source: APD, Mineral Evaluation Report, Mining Report.

2. Hazards:

- a. Land Stability: No instability expected, wellsite terrain is basically flat. A truck mounted rig with hydraulically controlled leveling devices would be used.

Information Source: APD, Field Observation, Operator.

- b. Subsidence: None expected.

Information Source: APD, Field Observation.

- c. Seismicity: The wellsite is in an area of minor seismic risk.

Information Source: Rocky Mountain Association of Geologists.

- d. High Pressure Zones/Blowout Prevention: No high pressure anticipated or found during drilling of nearby State Wells in Section 32, T 31S, R 15E and Section 36, T 31S, R 14E. No BOP equipment planned for this shallow test.

Information Source: APD, Operator.

B. Soils:

1. Soil Character: Soils in the area are a sandy clay with occasional sandy areas. Soil disturbances would be minimal and confined to pit and road construction.

Information Source: Field Observation, APD, BLM.

2. Erosion/Sedimentation: Minimal as surface disturbances would be limited.

Information Source: BLM, APD, Field Observation.

- C. Air Quality: The wellsite is within a Class II Attainment Area. Air quality would decrease temporarily from rig and vehicle emissions and fugitive dust.

Information Source: BLM, Field Observation.

- D. Noise Levels: Noise levels would increase temporarily from rig and vehicle operations affecting wildlife in a distributional sense.

Information Source: Field Observation.

E. Water Resources

1. Hydrologic Character

- a. Surface Waters: No perennial drainages in area. Wellsite is in Dirty Devil River Basin which flows to Lake Powell. Some siltation to Lake Powell could occur but would be minimal. No water is needed for drilling.

Information Source: Field Observation, APD.

- b. Ground Waters: No fresh water expected to be encountered during drilling. Commingling of any aquifers in area is possible. Water wells drilled into the White River formation 30 miles to the north-northeast have yielded sufficient quantities of useable, though highly mineralized water. However, the two wells drilled on nearby State locations did not discover any water in significant quantities.

Information Source: Mineral Evaluation Report.

2. Water Quality

a. Surface Waters: Spill potential to live surface waters is minimal.

Information Source: Field Observation.

b. Ground Waters: Insignificant impacts expected since air drilling techniques would be employed. The hole would be cemented upon completion of operations providing protection for contamination of an ground water.

Information Source: Field Observation, APD.

F. Flora and Fauna

1. Endangered and Threatened Species Determination

Based on the formal comments received from the BLM on July 1, 1980, we determine that there would be no effect on endangered and threatened species and their critical habitat.

2. Flora: Vegetation in area is sparse due to limited water. Plants are of a blackbrush community.

Information Source: Field Observation, BLM.

3. Fauna: Wildlife in area is sparse due to limited food source and consists predominately of rodents, coyotes, reptiles, chukars, songbirds and few raptors.

Information Source: APD, Field Observation, BLM.

G. Land Uses

1. General: The general area is used for grazing, minimal mineral exploration/extraction and recreation.

Information Source: BLM, Field Observation.

2. Affected Floodplains and/or Wetlands: N/A.

Information Source: Field Observation.

3. Roadless/Wilderness Area: The wellsite falls within BLM Wilderness Inventory Unit #241, Fiddler Butte. The area's wilderness characteristics are not exceptional and as a result, a BLM inventory has recommended that the unit be dropped from any further wilderness study, however, under BLM's Interim Management Policy of Lands under Wilderness Review (IMP), it is mandated that the area be protected from any further undue or unnecessary degradation until October 1, 1980, at which time the area will officially fall out of further wilderness consideration., This allows for public comment on BLM's decision. Any comments or protests to return this area back into wilderness study status would require the BLM to assess the comments and decide if they are worthy of consideration. Therefore, the area could return into Wilderness Study Status in October.

The BLM has determined that impacts from this project would not impair the wilderness characteristics of the area. This fact is supported by the operating plan presented in the APD. Furthermore, if recommended mitigative measures are followed, any impacts could be returned to a substantially unnoticed condition.

- H. Aesthetics: The operation does not blend in with the natural surroundings. However, considering the short duration of drilling the proposed 8 well program and the minimal surface disturbances proposed, this action would pose little impact to area aesthetics.

Information Source: Field Observation, APD.

- I. Socioeconomics: The remoteness of the area limits socioeconomic impacts in Garfield County, Utah. Most services and personnel would emanate from Moab, Utah, utilizing company camp facilities on State Lands. Some economic increases could be expected in Hanksville, Utah, the nearest town.

Information Source: Field Observation.

- J. Cultural Resources Determination: Based on the formal comments received from BLM on July 1, 1980, we determine that there would be no effect on cultural resources.

Information Source: BLM.

- K. Other: Glen Canyon National Recreation Area is located about 5 miles south-east of the project area. No impacts to the recreation area are expected.

Information Source: Field Observation.

- L. Adequacy of Restoration Plans: The restoration plan meets the minimum requirements of NTL-6. Restoration recommendations have been supplied by the BLM.

Information Source: BLM, Field Observation, APD.

Alternatives to the Proposed Action:

1. Disapproving the proposed action or no action - If the proposed action is denied, no action would occur, the existing environment would remain in its present state, the lessee/operator would not realize any return on investments and the public would be denied a potential energy source.
2. Approving the project with the recommended stipulations - Under federal oil and gas leasing provisions, the Geological Survey has a responsibility to approve mineral development if the environmental consequences are not too severe or irreversible. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and Surface Management Agency supervision. Environmental impacts would be significantly mitigated.

Adverse Environmental Effects:

1. If approved as proposed:

- a. A minimal amount of vegetation would be disturbed, slightly increasing and accelerating erosion potential.
- b. Minor air pollution would be induced on a temporary basis due to exhaust emissions from rig engines and support traffic.
- c. The potential for fires, leaks, spills of gas and oil or water exists but is minimal.
- d. During construction and drilling phases of the operation, noise and dust levels would increase.
- e. Distractions from aesthetics during the lifetime of the project would exist.
- f. Erosion from the site would eventually be carried as sediment in the Lake Powell.
- g. If hydrocarbons would be discovered and produced, further development of the area could be expected to occur, which would result in the extraction of irreplaceable resource, and further negative environmental impacts. These impacts include the cumulative loss of wildlife habitat due to the areas necessary for roads, pipelines, drillsites, and transmission lines. These actions may disrupt wildlife social behavior and force habitat relocation over an extended period of time. In addition, the cumulative effects of non-point erosion become substantial in a developing field, primarily those located near perennial streams where siltation and sedimentation are critical to aquatic life cycles.

2. Conditional Approval:

All adverse impacts described in section one above could occur, except:

- a. Constructing a reserve pit would provide for adequate disposal of cuttings and any encountered ground water.
- b. Keeping dirt work to a minimum would preserve the remote, pristine characteristics of the area.

Recommended Approval Conditions:

Drilling should be allowed, provided the following mitigative measures are incorporated into the proposed APD and adhered to by the operator:

1. See attached BLM Stipulations. *None*
2. The drillsite will not be bladed, however, a small 10' by 10' reserve pit and a pit toilet would be constructed.
3. All trash and debris will be removed from the site.

Controversial Issues and Conservation Division Response:

None.

We have considered the proposed action in the preceding pages of this EA and find, based on the analysis of environmental considerations provided therein, no evidence to indicate that it will significantly (40 CFR 1508.27) impact the quality of the human environment.

Determination:

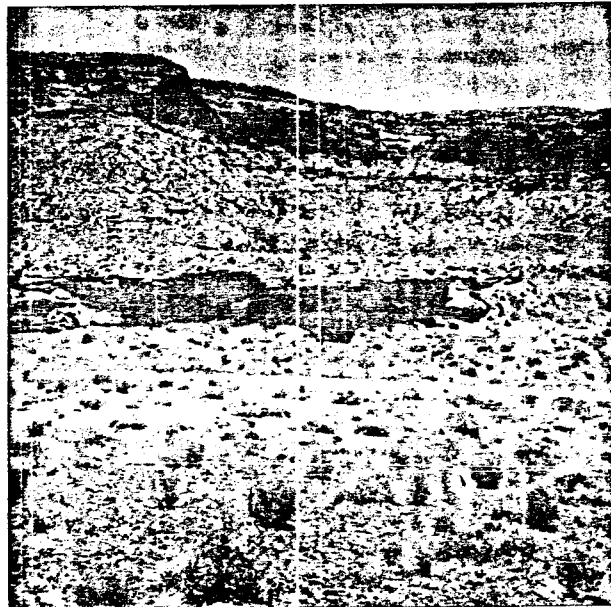
I determine that the proposed action (as modified by the recommended approval conditions) does not constitute a major Federal action significantly affecting the quality of the human environment in the sense of NEPA, Section 102 (2)(C).

 DISTRICT ENGINEER

Signature & Title of Approving Official

JUL 16 1980

Date



WC Kirkwood
41-20

↑
S

SELECTED REFERENCES

- Anderson, B.A. 1979, Desert Plants of Utah: Cooperative Extension Service, Utah State University, Logan, Utah. 146 p.
- Bureau of Land Management, 1979, Final Initial Wilderness Inventory, Utah: U.S. Department of the Interior, BLM, Salt Lake City, Utah, 50 p.
- Bureau of Land Management, 1979, Interim Management Policy and Guidelines for Lands Under Wilderness Review: U.S. Department of the Interior, BLM, Washington, D.C. 32 p.
- Keller, E.A., 1976, Environmental Geology: C.E. Merril Publishing Company, Columbus, Ohio. 488 p.
- National Park Service, 1979, Draft Mineral Management Plan: USDI/NPS, Page, A2. 56 p.
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- Sumsion, C.T. and E.L. Bolke, 1972, Water Resources of Part of Canyonlands National Park, Southeastern Utah: U.S. Department of the Interior, Geological Survey, Salt Lake City Utah, Open File Report. 75 p.
- Wilson, LeMoyne, et.al, 1975, Soils of Utah: Agricultural experiment Station, Bulletin 492, Utah State University, Logan, Utah. 94 p.
- Zarn, Mark, 1977, Ecological Characteristics of Pinyon-Juniper Woodlands on the Colorado Plateau: U.S. Dept. of Interior, Bureau of Land Management, Technical Note 310, Denver, Colorado 183 p.



United States Department of the Interior

IN REPLY REFER

3100(U-504

BUREAU OF LAND MANAGEMENT

Henry Mountain Resource Area
P.O. Box 99
Hanksville, UT. 84734

June 30, 1980

George Diwachak
USGS Conservation Division
2000 Administration Building
1745 W. 1700 S.
Salt Lake City, UT. 84104

Re: Kirkwood Oil
Proposed Drilling Project
T. 31 S., R. 14 E. and T. 31 S., R. 15 E.

Dear Mr. Diwachak:

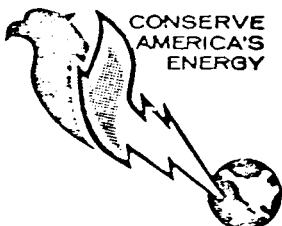
The following information concerns surface protection stipulations to be incorporated into the APD's for the above referenced drilling project.

Site specific stipulations for each of the eight locations include the following:

<u>WELL NAME</u>	<u>LOCATION</u>	<u>LEASE NUMBER</u>
1- Magnum 23-8	NE $\frac{1}{4}$ SW $\frac{1}{4}$ 8 T. 31 S., R. 15 E.	U-21478

- a - The site will be moved roughly 400 ft. to the east to a point where it's coordinates in section 8 are 1900' FEL and 1790' FSL.
- b - The drill site will not be bladed.
- c - A small reserve pit will be constructed to hold cuttings.
- d - Upon completion of the well the pit will be covered, the site will be disked, and the following seed mixture will be hand broadcasted over the site.

<u>SPECIES</u>	<u>LBS/ACRE</u>
Shadscale	3
Indian ricegrass	3
Galleta grass	2



Save Energy and You Serve America!

See Page 4 for Steps - PAGE 5 for Clearances

- e - All trash and debris will be carried off site and disposed of in a BLM approved location.
- f - Access to the site will be on an existing road. Blading will be kept to a minimum, old rocks and debris will be removed and no new cuts will be authorized.

2 - White Rim 44-4 SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$ 4, T. 31 S., R. 15 E. U-21083

- a - The site will be moved from the SESESE, to the NESESE of section 4.
- b - The drill site will not be bladed.
- c - A small reserve pit will be cut to hold cuttings.
- d - Upon completion of the well the pit will be covered, the site will be disked, and the following seed mixture will be hand broadcasted over the site.

SPECIES

LB/ACRE

Shadscale	3
Indian ricegrass	3
Galleta grass	2

- e - All trash and debris will be carried off site and disposed of in a BLM approved location.
- f - Access to the site will be on an existing road. Blading will be kept to a minimum.

3 - Garfield 44-15 SE $\frac{1}{4}$ SE $\frac{1}{4}$ 15, T. 31 S., R. 15 E. U-21037

- a - The drill site will not be bladed.
- b - A small reserve pit will be constructed to hold cuttings.
- c - Upon completion of the well the pit will be covered, the site will be disked, and the following seed mixture will be hand broadcasted over the site.

SPECIES

LB/ACRE

Shadscale	3
Indian ricegrass	3
Galleta grass	2

- d - All trash and debris will be carried off-site and disposed of in a BLM approved site.
- e - Access to the site will be confined to the existing road. Blading will be kept to a minimum by simply removing any rocks and debris

blocking the road and by filling in any washed out areas.

4 - Winfield 21-15 NE $\frac{1}{4}$ NW $\frac{1}{4}$ 15, T. 31 S., R. 15 E. U-21037

- a - The drill site will not be bladed.
- b - A small reserve pit will be constructed to hold cuttings.
- c - Upon completion of the well the pit will be covered, the site will be disked, and the following seed mixture will be hand broadcasted over the site.

<u>SPECIES</u>	<u>LB/ACRE</u>
Shadscale	3
Indian ricegrass	3
Galleta grass	2

- d - All trash and debris will be carried off-site and disposed of in a BLM approved site.
- e - Access to the site will be confined to the existing road. Blading will be kept to a minimum by removing only those rocks and debris blocking the road and by filling in any washed out areas.

5 - Remington 14-15 SW $\frac{1}{4}$ SW $\frac{1}{4}$ 15, T. 31 S., R. 15 E. U-21037

- a - The drill site will not be bladed.
- b - The two rock cairns on the access road will be left intact.
- c - A small reserve pit will be constructed to hold cuttings.
- d - Upon completion of the well the pit will be covered, the site will be disked, and the following seed mixture will be hand broadcasted over the site.

<u>SPECIES</u>	<u>LB/ACRE</u>
Shadscale	3
Indian ricegrass	3
Galleta grass	2

- e - All trash and debris will be carried off-site and disposed of in a BLM approved site.
- f - Access to the site will be confined to the existing road. Blading will be kept to a minimum by removing only those rocks and debris blocking the road and by filling in any washed out areas.

6 - Monroe 22-20 SE $\frac{1}{4}$ NW $\frac{1}{4}$ 20, T. 31 S., R. 15 E. U-21477

- a - The drill site will be moved 75 feet to the west in order to drill on a level spot on the old existing road.
- b - The drill site will not be bladed.
- c - A small reserve pit will be constructed to hold cuttings.
- d - Upon completion of the well the pit will be covered, the site will be disked, and the following seed mixture will be hand broadcasted over the site.

<u>SPECIES</u>	<u>LB/ACRES</u>
Shadscale	3
Indian ricegrass	3
Galleta grass	2

- e - All trash and debris will be carried off-site and disposed of in a BLM approved site.
- f - Access to the site will be confined to the existing road. Blading will be kept to a minimum by removing only those rocks and debris blocking the road and by filling in any washed out areas.

~~7 - Eastex 41-20 NE $\frac{1}{4}$ NW $\frac{1}{4}$ 20, T. 31 S., R. 15 E. U-21477~~

- a - The drill site will not be bladed and will be located directly adjacent to main access road in North Hatch Canyon.
- b - A small reserve pit will be constructed to hold cuttings.
- c - Upon completion of the well the pit will be covered, the site will be disked, and the following seed mixture will be hand broadcasted over the site.

<u>SPECIES</u>	<u>LB/ACRE</u>
Shadscale	3
Indian ricegrass	3
Galleta grass	2

- d - All trash and debris will be carried off-site and disposed of in a BLM approved site.

8 - Cromwell 33-29 SW $\frac{1}{4}$ SE $\frac{1}{4}$ 29, T. 31 S., R. 15 E. U-21476

- a - The drill site will not be bladed.
- b - A small reserve pit will be constructed to hold cuttings. --

- c - Access to the site will involve blading roughly 3/4 mile of new road from the existing road in South Hatch Canyon. This road will be constructed with a minimum amount of blading and will be reclaimed from the site all the way back to the South Hatch Canyon road. All cuts will be recontoured, the road disked and revegetated by hand broadcasting the following species.

<u>SPECIES</u>	<u>LB/ACRE</u>
Shadscale	3
Indian ricegrass	3
Galleta grass	2

- d - Upon completion of the well the pit will be covered, the site will be disked and the above listed species will be hand broadcasted over the site.
- e - All trash and debris will be carried off and disposed of in a BLM approved site.

In addition to the above mentioned site specific stipulations the entire project should be covered by two more protective measures.

- 1) No unnecessary off-road driving will be authorized. Four-wheel drives will be restricted to existing roads.
- 2) No uranium claim markers, or cairns, will be destroyed or damaged.

The majority of the project takes place in BLM Wilderness Inventory Unit # 241, Fiddler Butte. The areas wilderness characteristics are not exceptional and as a result the BLM's inventory has recommended that the unit be dropped from any further wilderness study. However, under BLM's Interim Management Policy of Lands Under Wilderness Review (IMP), we are mandated to protect the area from any further undue or unnecessary degradation until October 1, 1980, at which time the area will officially fall out of further wilderness consideration. This time frame allows the public to comment on our decision. If there are any comments or protests to put this area back into wilderness study status, then the Bureau will have to assess the comments and decide if they are worthy of consideration. Therefore, the area could go back into wilderness study status in October and as a result we must protect the area.

The BLM's IMP Guidelines mandate that these wilderness guidelines be addressed in an Environmental Assessment (EA).

Therefore, since the GS is preparing the EA for this project, we would request that this information be included in the document. You can also include the statement that the Bureau has determined that impacts from this project will not impair the wilderness characteristics of the area and that if the mitigating measures are followed, the impacts can be returned to a substantially unnoticeable condition.

The BLM has also conducted surveys for Threatened and Endangered Plants and Animals in the project area and as a result of these surveys T & E clearances

are granted as no T & E plants or animals were found. The BLM can also grant Archaeological clearance at this time based on an archaeological survey conducted of the area by Powers Elevation Company.

If you have any questions concerning the foregoing discussion, or if you need any additional information, please feel free to contact our office.

Sincerely,



Area Manager

CC; Chuck Horsburgh
Richfield BLM

W.J. Averett, Consulting Petroleum Engineer
1682 Woodland Dr.
Provo, Utah 84601

FROM: : DISTRICT GEOLOGIST, 4E, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-21477OPERATOR: William C. KirkwoodWELL NO. 41-20LOCATION: NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 31S., R. 15E., SLM
Garfield County, Utah

1. Stratigraphy: Operator tops appear reasonable

Moenkopi	surface
White Rim	450'
Organ Rock	620'
<u>TD</u>	<u>640'</u>

2. Fresh Water:

None probable

3. Leasable Minerals:

4. Additional Logs Needed: Adequate

5. Potential Geologic Hazards: None anticipated

6. References and Remarks:

Heavy oil. - might require Tertiary extraction methods

Signature: Gregory W. WoodDate: 6 - 24 - 80

William F. Woodward

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Gynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. LA-21477 Well No. 41-20

1. The location appears potentially valuable for:

- ☐ strip mining*
- ☐ underground mining**
- ☒ has no known potential.

2. The proposed area is

- ☐ under a Federal lease for _____ under the jurisdiction of this office.
- ☒ not under a Federal lease under the jurisdiction of this office.
- ☐ Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed

Allen J. Vance



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
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EDWARD T. BECK
E. STEELE McINTYRE

May 21, 1981

William C. Kirkwood
P.O. Box Drawer 3439
Casper, Wyoming 82601

Re: SEE ATTACHED SHEET ON WELL DUE

Gentlemen:

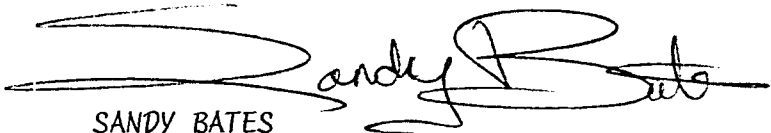
In reference to above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not recieved any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. (If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill these wells and action will be taken to terminate the application.) If you plan on drilling these location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING


SANDY BATES
CLERK-TYPIST

ATTACHED SHEET ON WELLS DUE

1. Well No. White Rim #44-4
Sec. 4, T. 31S. R. 15E.
Garfield County, Utah
2. Well No. Magnum #23-8
Sec. 8, T. 31S. R. 15E.
Garfield County, Utah
3. Well No. Remington #14-15
Sec. 15, T. 31S. R. 15E.
Garfield County, Utah
4. Well No. Winfield #21-15
Sec. 15, T. 31S. R. 15E.
Garfield County, Utah
5. Well No. Garfield #44-15
Sec. 15, T. 31S. R. 15E.
Garfield County, Utah
6. Well No. Hatch Canyon Unit #34-16A
Sec. 16, T. 31S. R. 15E.
Garfield County, Utah
7. Well No. Monroe #22-20
Sec. 20, T. 31S. R. 15E.
Garfield County, Utah
8. Well No. Eastex #41-20
Sec. 20, T. 31S. R. 15E.
Garfield County, Utah
9. Well No. State #11-2
Sec. 2, T. 32S. R. 15E.
Garfield County, Utah
10. Well No. State #31-16
Sec. 16, T. 32S. R. 15E.
Garfield County, Utah
11. Well No. State #34-16
Sec. 16, T. 31S. R. 15E.
Garfield County, Utah

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

January 20, 1982

William C. Kirkwood
P.O. Drawer 3439
Casper, Wyoming 82602

Re: Return Application for
Permit to Drill
Well No. 41-20
Section 20-31S-15E
Garfield County, Utah
Lease No. U-21477

Gentlemen:

The Application for Permit to Drill the referenced well was approved August 18, 1980. Since that date no known activity has transpired at the approved location. Under current District policy, application's for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location on a future date a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must, then be submitted. Your cooperation in this matter is appreciated.

Sincerely,

E. W. Gynn
District Oil and Gas Supervisor

cc: State O & G

P22 4791187

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

(CF)

SENT TO

William C. Kirkwood

STREET AND NO.

P.O. Box 3439

P.O., STATE AND ZIP CODE

Casper, Wyoming 82602

POSTAGE

\$

CERTIFIED FEE

c

SPECIAL DELIVERY

c

RESTRICTED DELIVERY

c

SHOW TO WHOM AND
DATE DELIVERED

c

SHOW TO WHOM, DATE,
AND ADDRESS OF
DELIVERY

c

SHOW TO WHOM AND DATE
DELIVERED WITH RESTRICTED
DELIVERY

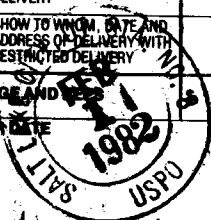
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SHOW TO WHOM, DATE AND
ADDRESS OF DELIVERY WITH
RESTRICTED DELIVERY

c

TOTAL POSTAGE AND FEES

POSTMARK OR DATE



Termination letter

**STICK POSTAGE STAMPS TO ARTICLE TO COVER FIRST CLASS POSTAGE,
CERTIFIED MAIL FEE, AND CHARGES FOR ANY SELECTED OPTIONAL SERVICES. (see front)**

1. If you want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, **leaving the receipt attached**, and present the article at a post office service window or hand it to your rural carrier. (no extra charge)
2. If you do not want this receipt postmarked, stick the gummed stub on the left portion of the address side of the article, date, detach and retain the receipt, and mail the article.
3. If you want a return receipt, write the certified-mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.
4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.
5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in Item 1 of Form 3811.
6. Save this receipt and present it if you make inquiry.

SENDER: Complete items 4, 5, and 6.
Add your address in the "RETURN TO" space
below.

1. The following service is requested (check one.)

- ☒ Show to whom and date delivered.....\$
☐ Show to whom, date and address of delivery.....\$
☐ RESTRICTED DELIVERY
Show to whom and date delivered.....\$
☐ RESTRICTED DELIVERY.
Show to whom, date, and address of delivery \$____

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:

William C. Kirkwood
P.O. Box 3439
Casper, Wyoming 82602

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
P. 22	4791187	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE ☐ Addressee ☐ Agent or agent

DATE OF DELIVERY

2-4-82

4. ADDRESS (Complete only if different from above)

5. UNABLE TO DELIVER REASON:

CLERK'S
INITIALS

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address, and ZIP Code in the space below.

- Complete items 1, 2, and 3 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

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DIVISION OF OIL, GAS, & MINING

(Name of Sender)

4241 State Office Building

(Street or P.O. Box)

Salt Lake City, Utah 84114

(City, State, and ZIP Code)



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 29, 1982

William C. Kirkwood
P. O. Box 3439
Casper, Wyoming 82602

Re: Well No. Eastex #41-20
T. 31S, R. 15E, Sec. 20
Garfield County, Utah

Gentlemen:

Approval to drill the above mentioned well, which was granted in our letter of July 9, 1980, is hereby terminated for failure to spud it within a reasonable period of time.

If and when you should decide to drill this well, it will be necessary for you to again obtain the approval of this Division.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director